Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No. Date: 24/06/2024

To,
The Executive Engineer,
Byatarayanapura Division,
No.215/20, Defence Colony,
Sahakara Nagar, Bangalore-92

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Sub: Regarding Quality report for the below mentioned work.

Name of work: Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New Ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.

Item No	Description of Work	Unit	Quantity	No of Samples Tested	Standards
1	Providing and Laying Position Cement Concrete of Mix 1:2:4 using 20mm nominal size Graded coarse aggregates.	Cum	23.40	1	Per 50 Cum
2	Providing TMT Steel Reinforcement for RCC work Including Straightening, Cutting, Bending, Hooking, Placing in Positions.	Ton	49.02	1	For each Dia
3	Providing and Laying Reinforced Cement Concrete for Side Drains using M20 Nominal Mix Concrete with OPC@300Kgs with 20mm Down Size.	Cum	861.20	17	Per 50 Cum
4	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite Jelly 20mm & down size.	Sqm	2375.49	4	Per 500 Sqm

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

5	Providing and fixing RCC Precast cover slab of 230mm thick for Culverts in cement concrete 1:1.5:3 using graded granite Jelly 20mm & down size.	Sqm	124.74	4	Per 30 Sqm
6	Providing, Laying, Spreading and Compacting crushed stone aggregates of granite/ trap/basalt to wet mix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base /base coarse on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification.	Cum	272.39	2	Per 200 Cum
7	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandom rollers to achieve the desired compaction as per MORTH table 500-10.	Cum	123.52	2	Per 250 Cum
8	providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade).	Cum	232.49	3	Per 250 Cum

With respect to the above Subject Name of work, we have inspected the work, Quantity and Quality of above mentioned Item of work was found to be satisfactorily completed for the 1st And Part bill.

Thanking You, With Regards,

Karnataka Material Test House Pvt Ltd.,

Narayanswamy.B
Managing Director

Karnataka Material Test House Pvt Ltd Bangalore

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cement/3100/2024-25	Date	30.03.2024

TEST REPORT ON CEMENT

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	28.02.2024 - 28.03.2024
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989
TEACHER LAYOUT	***1st CROSS RD***

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	29.8	Not specified	-
2	Initial setting time in	191.2	Shall not be less than 30 minutes	P
3	Final setting time in minutes	289.8	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.32	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	35.86	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	46.86	Shall not be less than 43.0 MPa	P

** As furnished by the client*

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (NRP) SD

Note
1. This report is not to be reproduced expect in full without our permission in writing
2.The results listed refer only to the samples and applicable parameters.
3.Any correction in this report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/3101/2024-25	Date	30.03.2024

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	26.03.2024
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016
TEACHER LAYOUT	***1st CROSS RD***

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	18.6	1.86	1.86	98.14	90 – 100	*90 – 100*	90 – 100	90-100
2.36	26.4	2.64	4.50	95.50	60 – 95	*75 – 100*	85 – 100	95-100
1.18	326.4	32.64	37.14	62.86	30 – 70	*55 – 90*	75 – 100	90-100
0.6	286.4	28.64	65.78	34.22	15 – 34	*35 – 59*	60 – 79	80-100
0.3	218.6	21.86	87.64	12.36	5 – 20	*8 – 30*	12 – 40	15-50
0.15	120.4	12.04	99.68	0.32	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

AEE (VRP) SD

Approved by
Narayanswamy.B

.....End of Report.....

Note
1. This report is not to be reproduced expect in full without our permission in writing
2.The results listed refer only to the samples and applicable parameters.
3.Any correction in this report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/3102/2024-25	Date	30.03.2024

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	27.03.2024
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016
TEACHER LAYOUT	***1st CROSS RD***

GRADATION OF COARSE AGGEGATES-20MM

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	Sample conforms to IS: Stipulation for Graded size Aggregate of size 20mm.
40	0	0.00	0.00	100.00	100	100	
20	340.2	6.80	6.80	93.20	85-100	90 to 100	
10	2798.6	55.97	62.78	37.22	0 to 20	25 to 55	
4.75	1842.6	36.85	99.63	0.37	0 to 5	0 to 10	

GRADATION OF COARSE AGGEGATES-40MM

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
63	0	0.00	0.00	100	100	100	
40	172.6	3.45	3.45	96.55	85-100	90 to 100	
20	4002.6	80.05	83.50	16.50	0 to 20	30 to 70	
10	750.2	15.00	98.51	1.49	0 to 5	10 to 25	
4.75	74.8	1.50	100.00	0.00	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note
1. This report is not to be reproduced expect in full without our permission in writing
2.The results listed refer only to the samples and applicable parameters.
3.Any correction in this report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Steel/3103/2024-25	Date	30.03.2024

TEST REPORT ON STEEL

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	27.03.2024
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005
TEACHER LAYOUT	***1st CROSS RD***

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	8	0.379	574.60	636.80	18.96	Passes
2		10	0.610	568.20	627.20	20.26	Passes
3		12	0.837	655.20	621.80	22.22	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note
1. This report is not to be reproduced expect in full without our permission in writing
2.The results listed refer only to the samples and applicable parameters.
3.Any correction in this report will be invalid.

AEE(VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3134/2024-25	Date	08.04.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	06.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Ganesha Layout Petrol Bunk Rd)	29.03.2024	06.04.2024	7 Days	22500.00	8424	413.6	18.38
2		29.03.2024	06.04.2024		22500.00	8350	405.8	18.04
3		29.03.2024	06.04.2024		22500.00	8266	398.8	17.72

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3135/2024-25	Date	29.04.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	06.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Ganesha Layout Petrol Bunk Rd)	29.03.2024	27.04.2024	28 Days	22500.00	8150	608.0	27.02
2		29.03.2024	27.04.2024		22500.00	8144	613.2	27.25
3		29.03.2024	27.04.2024		22500.00	8233	611.6	27.18

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE(VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3118/2024-25	Date	12.04.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	10.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Varadharajaswamy Temple opp Rd)	03.04.2024	10.04.2024	7 Days	22500.00	8424	412.0	18.31
2		03.04.2024	10.04.2024		22500.00	8436	410.2	18.23
3		03.04.2024	10.04.2024		22500.00	8452	409.2	18.19

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE(VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3119/2024-25	Date	02.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	10.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Varadharajaswamy Temple opp Rd)	03.04.2024	01.05.2024	28 Days	22500.00	8216	620.4	27.57
2		03.04.2024	01.05.2024		22500.00	8200	623.5	27.71
3		03.04.2024	01.05.2024		22500.00	8216	628.4	27.93

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj KS

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3120/2024-25	Date	16.04.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	15.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Wall (Ganesha Layout cross Rd)	08.04.2024	15.04.2024	7 Days	22500.00	8426	380.4	16.91
2		08.04.2024	15.04.2024		22500.00	8352	406.2	18.05
3		08.04.2024	15.04.2024		22500.00	8264	398.7	17.72

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3121/2024-25	Date	07.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	15.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Wall (Ganesha Layout cross Rd)	08.04.2024	06.05.2024	28 Days	22500.00	8152	612.2	27.21
2		08.04.2024	06.05.2024		22500.00	8142	586.2	26.05
3		08.04.2024	06.05.2024		22500.00	8234	594.8	26.44

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3126/2024-25	Date	18.04.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	17.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Teacher Layout 1st Cross Rd)	10.04.2024	17.04.2024	7 Days	22500.00	8326	394.2	17.52
2		10.04.2024	17.04.2024		22500.00	8352	386.4	17.17
3		10.04.2024	17.04.2024		22500.00	8346	399.4	17.75

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SD

End of Report.....

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3127/2024-25	Date	09.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	17.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Teacher Layout 1st Cross Rd)	10.04.2024	08.05.2024	28 Days	22500.00	8246	633.4	28.15
2		10.04.2024	08.05.2024		22500.00	8146	629.4	27.97
3		10.04.2024	08.05.2024		22500.00	8206	628.4	27.93

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SD

Approved by
Narayanswamy.B

Karnataka Material Test House Pvt. Ltd. * Bangalore *

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3130/2024-25	Date	26.04.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	25.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Balaji layout 2nd Main 1st Cross Rd)	18.04.2024	25.04.2024	7 Days	22500.00	8360	389.6	17.32
2		18.04.2024	25.04.2024		22500.00	8264	406.8	18.08
3		18.04.2024	25.04.2024		22500.00	8322	412.8	18.35

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) GE

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3131/2024-25	Date	17.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	25.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Balaji layout 2nd Main 1st Cross Rd)	18.04.2024	16.05.2024	28 Days	22500.00	8068	622.2	27.65
2		18.04.2024	16.05.2024		22500.00	8108	632.4	28.11
3		18.04.2024	16.05.2024		22500.00	8054	617.6	27.45

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3104/2024-25	Date	27.04.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	26.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Raft (Teacher Layout 1st Cross Rd)	19.04.2024	26.04.2024	7 Days	22500.00	8326	399.4	17.75
2		19.04.2024	26.04.2024		22500.00	8422	388.6	17.27
3		19.04.2024	26.04.2024		22500.00	8326	392.4	17.44

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3105/2024-25	Date	18.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	26.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Raft (Teacher Layout 1st Cross Rd)	19.04.2024	17.05.2024	28 Days	22500.00	8120	605.2	26.90
2		19.04.2024	17.05.2024		22500.00	8075	615.4	27.35
3		19.04.2024	17.05.2024		22500.00	8132	620.8	27.59

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP)SD

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3124/2024-25	Date	01.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	30.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Singapura Main rd)	23.04.2024	30.04.2024	7 Days	22500.00	8422	418.6	18.60
2		23.04.2024	30.04.2024		22500.00	8362	421.8	18.75
3		23.04.2024	30.04.2024		22500.00	8421	419.7	18.65

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3125/2024-25	Date	22.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	30.04.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Singapura Main rd)	23.04.2024	21.05.2024	28 Days	22500.00	8106	620.4	27.57
2		23.04.2024	21.05.2024		22500.00	8098	617.4	27.44
3		23.04.2024	21.05.2024		22500.00	8142	619.4	27.53

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3128/2024-25	Date	07.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	06.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Srinidhi Layout 4th cross Rd)	29.04.2024	06.05.2024	7 Days	22500.00	8326	399.4	17.75
2		29.04.2024	06.05.2024		22500.00	8422	388.6	17.27
3		29.04.2024	06.05.2024		22500.00	8326	392.4	17.44

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3129/2024-25	Date	28.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	06.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Srinidhi Layout 4th cross Rd)	29.04.2024	27.05.2024	28 Days	22500.00	8120	605.2	26.90
2		29.04.2024	27.05.2024		22500.00	8075	615.4	27.35
3		29.04.2024	27.05.2024		22500.00	8132	620.8	27.59

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3138/2024-25	Date	10.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	09.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Ramp (Teacher Layout 1st Cross Rd)	02.05.2024	09.05.2024	7 Days	22500.00	8326	325.0	14.44
2		02.05.2024	09.05.2024		22500.00	8422	320.0	14.22
3		02.05.2024	09.05.2024		22500.00	8326	321.4	14.28

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. * Bangalore *

Approved by
Narayanswamy.B

AEE (VRP) SD

.....End of Report.....

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3139/2024-25	Date	31.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	09.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M10

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Culvert Ramp (Teacher Layout 1st Cross Rd)	02.05.2024	30.05.2024	28 Days	22500.00	8120	426.2	18.94
2		02.05.2024	30.05.2024		22500.00	8075	418.6	18.60
3		02.05.2024	30.05.2024		22500.00	8132	421.2	18.72

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd.

AEE (VRP) SD

Approved by
Narayanswamy.B

...End of Report...

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3106/2024-25	Date	11.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	10.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Drain Raft (Sirnidhi Layout D-Mandala Main Rd)	03.05.2024	10.05.2024	7 Days	22500.00	8360	389.6	17.32
2		03.05.2024	10.05.2024		22500.00	8264	401.2	17.83
3		03.05.2024	10.05.2024		22500.00	8322	412.8	18.35

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. * Bangalore *

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.

2)The results listed refer only to the tested samples nd applicable parameters.

3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3107/2024-25	Date	01.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	10.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Sirnidhi Layout D-Mandala Main Rd)	03.05.2024	31.05.2024	28 Days	22500.00	8068	622.2	27.65
2		03.05.2024	31.05.2024		22500.00	8108	632.4	28.11
3		03.05.2024	31.05.2024		22500.00	8054	617.6	27.45

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SB

End of Report.....

Karnataka Material Test House Pvt. Ltd. * Bangalore *

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.

2)The results listed refer only to the tested samples nd applicable parameters.

3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3316/2024-25	Date	14.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	23.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Green Infra Layout 1st Cross Rd)	06.05.2024	13.05.2024	7 Days	22500.00	8420	421.5	18.73
2		06.05.2024	13.05.2024		22500.00	8256	410.8	18.26
3		06.05.2024	13.05.2024		22500.00	8342	423.8	18.84

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3317/2024-26	Date	04.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	23.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Green Infra Layout 1st Cross Rd)	06.05.2024	03.06.2024	28 Days	22500.00	8186	620.2	27.56
2		06.05.2024	03.06.2024		22500.00	8208	634.2	28.19
3		06.05.2024	03.06.2024		22500.00	8196	629.8	27.99

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3108/2024-25	Date	21.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	20.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Ganesha Layout 3rd Cross Rd)	13.05.2024	20.05.2024	7 Days	22500.00	8426	412.6	18.34
2		13.05.2024	20.05.2024		22500.00	8352	406.8	18.08
3		13.05.2024	20.05.2024		22500.00	8264	398.6	17.72

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. * Bangalore *

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3109/2024-25	Date	11.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	20.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Ganesha Layout 3rd Cross Rd)	13.05.2024	10.06.2024	28 Days	22500.00	8152	616.4	27.40
2		13.05.2024	10.06.2024		22500.00	8142	609.2	27.08
3		13.05.2024	10.06.2024		22500.00	8234	612.6	27.23

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. * Bangalore *

Approved by
Narayanswamy.B

AEE (VRP) SD

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/S Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3122/024-25	Date	22.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	21.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain wall (Green Infra Layout Cross Rd-2)	14.05.2024	21.05.2024	7 Days	22500.00	8416	399.8	17.77
2		14.05.2024	21.05.2024		22500.00	8426	414.2	18.41
3		14.05.2024	21.05.2024		22500.00	8373	423.4	18.82

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3123/2024-25	Date	12.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	21.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain wall (Green Infra Layout Cross Rd-2)	14.05.2024	11.06.2024	28 Days	22500.00	8216	620.4	27.57
2		14.05.2024	11.06.2024		22500.00	8252	635.0	28.22
3		14.05.2024	11.06.2024		22500.00	8234	623.8	27.72

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3136/2024-25	Date	22.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	21.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Drain Wall (Kamatha Layout Main Rd)	14.05.2024	21.05.2024	7 Days	22500.00	8426	411.6	18.29
2		14.05.2024	21.05.2024		22500.00	8350	402.6	17.89
3		14.05.2024	21.05.2024		22500.00	8266	412.8	18.35

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd. Bangalore

.....End of Report.....

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3137/2024-25	Date	12.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	21.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Kamatha Layout Main Rd)	14.05.2024	11.06.2024	28 Days	22500.00	8154	615.3	27.35
2		14.05.2024	11.06.2024		22500.00	8140	598.6	26.60
3		14.05.2024	11.06.2024		22500.00	8234	611.2	27.16

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd. * Bangalore *

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3114/2024-25	Date	23.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	22.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Ward office Opp Rd)	15.05.2024	22.05.2024	7 Days	22500.00	8200	416.2	18.50
2		15.05.2024	22.05.2024		22500.00	8216	420.0	18.67
3		15.05.2024	22.05.2024		22500.00	8236	419.6	18.65

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/S Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3115/2024-25	Date	13.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	22.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Ward office Opp Rd)	15.05.2024	12.06.2024	28 Days	22500.00	8264	624.5	27.76
2		15.05.2024	12.06.2024		22500.00	8188	621.8	27.64
3		15.05.2024	12.06.2024		22500.00	8086	619.8	27.55

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3132/2024-25	Date	28.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	27.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Jamia masjid Cross Rd)	20.05.2024	27.05.2024	7 Days	22500.00	8426	409.2	18.19
2		20.05.2024	27.05.2024		22500.00	8352	412.0	18.31
3		20.05.2024	27.05.2024		22500.00	8264	408.4	18.15

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note:
1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3133/2024-25	Date	19.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	27.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Jamia masjid Cross Rd)	20.05.2024	17.06.2024	28 Days	22500.00	8152	598.6	26.60
2		20.05.2024	17.06.2024		22500.00	8142	621.4	27.62
3		20.05.2024	17.06.2024		22500.00	8234	609.7	27.10

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (WRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3110/2024-25	Date	31.05.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	30.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Drain Wall (Srinidhi Layout D-Mandala Main Rd)	23.05.2024	30.05.2024	7 Days	22500.00	8326	399.4	17.75
2		23.05.2024	30.05.2024		22500.00	8422	388.6	17.27
3		23.05.2024	30.05.2024		22500.00	8326	392.4	17.44

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SD

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3111/2024-25	Date	21.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	30.05.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Wall (Srinidhi Layout D-Mandala Main Rd)	23.05.2024	20.06.2024	28 Days	22500.00	8120	605.2	26.90
2		23.05.2024	20.06.2024		22500.00	8075	615.4	27.35
3		23.05.2024	20.06.2024		22500.00	8132	620.8	27.59

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3112/2024-25	Date	03.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	01.06.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Kamatha Main Rd)	25.05.2024	01.06.2024	7 Days	22500.00	8360	389.6	17.32
2		25.05.2024	01.06.2024		22500.00	8264	401.2	17.83
3		25.05.2024	01.06.2024		22500.00	8322	412.8	18.35

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/3113/2024-25	Date	24.06.2024

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	01.06.2024
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	Drain Raft (Kamatha Main Rd)	25.05.2024	22.06.2024	28 Days	22500.00	8068	622.2	27.65
2		25.05.2024	22.06.2024		22500.00	8108	632.4	28.11
3		25.05.2024	22.06.2024		22500.00	8054	617.6	27.45

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3143/2024-25	Date	28.05.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	24.05.2024
Date of Testing	27.05.2024
Source of Sample	Supplied by the Client
Size & Shape of Sample	slab Length -900mm, Height-100mm,Width600mm
Teacher Layout	***1st Cross Rd***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
100mm Slab														
1	S-01	50.20	100.00	1.99	1978	34.0	17.19	1.00	17.17	21.47	21.3	0.4320	0.00020	2183.77
2	S-02	50.00	100.00	2.00	1963	33.6	17.12	1.00	17.12	21.40		0.4210	0.00020	2145.22
3	S-03	50.40	100.00	1.98	1994	33.7	16.90	1.00	16.87	21.09		0.4210	0.00020	2111.31

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

Karnataka Material Test House Pvt. Ltd. Bangalore

AEE (VRP) SD

End of Report

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3144/2024-25	Date	28.05.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	24.05.2024
Date of Testing	27.05.2024
Source of Sample	Supplied by the Client
Size & Shape of Sample	slab Length -750mm, Height-100mm,Width600mm
Kamatha Layout	***Main Rd***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
100mm Slab														
1	S-01	51.00	99.98	1.96	2042	35.6	17.44	1.00	17.36	21.70	21.3	0.4100	0.00020	2008.45
2	S-02	50.60	100.00	1.98	2010	33.6	16.72	1.00	16.67	20.84		0.4152	0.00020	2065.79
3	S-03	50.40	99.89	1.98	1994	34.2	17.15	1.00	17.12	21.40		0.4160	0.00020	2088.53

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

End of Report.....

AEE (VRP) SE

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3140/2024-25	Date	28.05.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	24.05.2024
Date of Testing	27.05.2024
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-230mm,Width460mm
Teacher Layout	***1St Cross Rd***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
230mm Slab														
1	S-01	95.00	189.98	2.00	7085	140.2	19.79	1.00	19.79	24.74	24.6	1.8460	0.00135	1371.54
2	S-02	95.00	190.00	2.00	7085	139.8	19.73	1.00	19.73	24.67		1.7860	0.00135	1326.82
3	S-03	95.00	189.88	2.00	7085	138.4	19.54	1.00	19.53	24.42		1.8640	0.00135	1385.64

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd.

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3141/2024-25	Date	28.05.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	24.05.2024
Date of Testing	27.05.2024
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-230mm,Width460mm
Kamatha Layout	***main Rd***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
230mm Slab														
1	S-01	95.00	189.88	2.00	7085	142.2	20.07	1.00	20.07	25.09	24.9	2.9700	0.00135	2207.80
2	S-02	95.00	190.00	2.00	7085	139.8	19.73	1.00	19.73	24.67		3.2000	0.00135	2377.28
3	S-03	94.80	189.97	2.00	7055	140.8	19.96	1.00	19.97	24.96		2.9800	0.00134	2223.54

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. * Bangalore *

Approved by
Narayanswamy.B

.....End of Report.....

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.

2)The results listed refer only to the tested samples nd applicable parameters.

3)Any correction in the report will be invalid.

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/3147/2024-25	Date	08.06.2024

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	06.06.2024
Source of Sample	Supplied by the Client
Technical Referance	MORTH Specifications

DEFENCE LAYOUT — ***Devamatha school Rd***

WMM MATERIAL — ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	296.8	296.8	2.97	97.03	95-100
22.4	2489.2	2786	27.86	72.14	60-80
11.2	2058.4	4844.4	48.44	51.56	40-60
4.75	1320.4	6164.8	61.65	38.35	25-40
2.36	1552.4	7717.2	77.17	22.83	15-30
0.6	771.4	8488.6	84.89	15.11	8--22
0.75	1125.2	9613.8	96.14	3.86	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	1.02	Should not be more than 2%
2	Flakiness & Elongation Index	22.2%	Shall not be more than 40%
3	Aggregate Crushing Value	19.6%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K/S

AEE/WRP1 SD

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced/Except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3152/2024-25	Date	15.06.2024

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	13.06.2024
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

DEFENCE LAYOUT ***Devamatha school Rd***

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***	***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	41.8	41.8	4.18	95.82	90-100
9.5	158.2	200	20.00	80.00	70-88
4.75	130.2	330.2	33.02	66.98	53-71
2.36	164.8	495.0	49.50	50.50	42-58
1.18	73.4	568.4	56.84	43.16	34-48
0.6	110.2	678.6	67.86	32.14	26-38
0.3	86.4	765.0	76.50	23.50	18-28
0.15	87.4	852.4	85.24	14.76	12--20
0.075	100.6	953	95.30	4.70	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	520.2	486.4	33.80	6.50
2	517.4	482.6	34.80	6.73
3	516.2	484.2	32.00	6.20

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will render it invalid.

AEE (TRP) SD

Off & Lab : No.8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/3149/2024-25	Date	15.06.2024

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	13.06.2024
Source of Sample	Supplied by the Client
Technical Referance	MORTH Specifications

RAGHAVENDRA COLONY — ***3rd CROSS***

WMM MATERIAL — ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	195.6	195.6	1.96	98.04	95-100
22.4	2268.4	2464	24.64	75.36	60-80
11.2	1984.2	4448.2	44.48	55.52	40-60
4.75	2352.4	6800.6	68.01	31.99	25-40
2.36	1102.6	7903.2	79.03	20.97	15-30
0.6	742.6	8645.8	86.46	13.54	8--22
0.75	1100.2	9746	97.46	2.54	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.96%	Should not be more than 2%
2	Flakiness & Elongation Index	24.6%	Shall not be more than 40%
3	Aggregate Crushing Value	19.0%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3150/2024-25	Date	16.06.2024

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	15.06.2024
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

TEACHERS LAYOUT ***1st CROSS RD***

DGBM MATERIAL	***Weight of sample taken***	***1000***	***gm***	***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	42.6	42.6	4.26	95.74	90-100
19	98.4	141	14.10	85.90	71-95
13.2	152.6	293.6	29.36	70.64	56-80
4.75	240.2	533.8	53.38	46.62	38-54
2.36	142.2	676	67.60	32.40	28-42
0.3	189.4	865.4	86.54	13.46	7--21
0.075	112.2	977.6	97.76	2.24	2--8

Percentage of Bitumen

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	521.2	490.2	31.00	5.95
2	519.4	489.6	29.80	5.74
3	516.4	489.4	27.00	5.23

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. * Bangalore *

AEE (VRP) SD

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/3151/2024-25	Date	16.06.2024

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	15.06.2024
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

RAGHAVENDRA COLONY — ***7th & 8th CROSS RD***

DGBM MATERIAL — ***Weight of sample taken*** — ***1000*** — ***gm*** — ***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	45.8	45.8	4.58	95.42	90-100
19	100.2	146	14.60	85.40	71-95
13.2	148.7	294.7	29.47	70.53	56-80
4.75	246.4	541.1	54.11	45.89	38-54
2.36	139.2	680.3	68.03	31.97	28-42
0.3	186.6	866.9	86.69	13.31	7--21
0.075	110.4	977.3	97.73	2.27	2--8

Percentage of Bitumen

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	481.6	28.40	5.57
2	512.2	482.2	30.00	5.86
3	510.4	481.2	29.20	5.72

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj.K.S

Karnataka Material Test House Pvt. Ltd. ★ Bangalore ★

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRPI) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3153/2024-25	Date	17.06.2024

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	15.06.2024
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

TEACHERS LAYOUT ***4th CROSS***

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***	***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	39.5	39.5	3.95	96.05	90-100
9.5	162.4	201.9	20.19	79.81	70-88
4.75	128.2	330.1	33.01	66.99	53-71
2.36	162.4	492.5	49.25	50.75	42-58
1.18	75.4	567.9	56.79	43.21	34-48
0.6	99.8	667.7	66.77	33.23	26-38
0.3	89.4	757.1	75.71	24.29	18-28
0.15	85.2	842.3	84.23	15.77	12--20
0.075	99.2	941.5	94.15	5.85	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.0	467.4	32.60	6.52
2	500.0	470.6	29.40	5.88
3	502.0	471.4	30.60	6.10

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K.S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

AEE (VRP) SD

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3145/2024-25	Date	21.06.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	17.06.2024
Date of Testing	20.06.2024
Source of Sample	Supplied by the Client
Size & Shape of Sample	slab Length -920mm, Height-100mm,Width600mm

Singapura ***main Rd***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
100mm Slab														
1	S-01	50.20	100.00	1.99	1978	34.0	17.19	1.00	17.17	21.47	21.3	0.4123	0.00020	2084.18
2	S-02	50.00	100.00	2.00	1963	33.6	17.12	1.00	17.12	21.40		0.4215	0.00020	2147.77
3	S-03	50.40	100.00	1.98	1994	33.7	16.90	1.00	16.87	21.09		0.4310	0.00020	2161.46

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

End of Report.....

AEE (NRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3146/2024-25	Date	21.06.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	17.06.2024
Date of Testing	20.06.2024
Source of Sample	Supplied by the Client
Size & Shape of Sample	slab Length -900mm, Height-100mm,Width600mm
GreenInfra Layout	***1st Cross Rd***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
100mm Slab														
1	S-01	51.00	99.98	1.96	2042	32.8	16.06	1.00	15.99	19.99		0.4251	0.00020	2082.42
2	S-02	50.60	100.00	1.98	2010	33.6	16.72	1.00	16.67	20.84	20.7	0.4235	0.00020	2107.09
3	S-03	50.40	99.89	1.98	1994	34.2	17.15	1.00	17.12	21.40		0.4254	0.00020	2135.72

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

Approved by
Narayanswamy.B

End of Report.....

AE (VRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

h.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3141/2024-25	Date	21.06.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultancy	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	17.06.2024
Date of Testing	20.06.2024
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-230mm,Width460mm
Singapura	***8th Cross Rd***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
230mm Slab														
1	S-01	95.00	189.98	2.00	7085	140.2	19.79	1.00	19.79	24.74	24.6	3.1000	0.00135	2303.23
2	S-02	95.00	190.00	2.00	7085	139.8	19.73	1.00	19.73	24.67		2.9800	0.00135	2213.84
3	S-03	95.00	189.88	2.00	7085	138.4	19.54	1.00	19.53	24.42		2.9760	0.00135	2212.26

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt Ltd. Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SB

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCSLAB/3142/2024-25	Date	21.06.2024

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore -92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Sample Received	17.06.2024
Date of Testing	20.06.2024
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-230mm,Width460mm
GreenInfra Layout	***Cross Rd-2***

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
230mm Slab														
1	S-01	95.00	189.88	2.00	7085	142.2	20.07	1.00	20.07	25.09	24.9	2.8400	0.00135	2111.17
2	S-02	95.00	190.00	2.00	7085	139.8	19.73	1.00	19.73	24.67		2.9460	0.00135	2188.58
3	S-03	94.80	189.97	2.00	7055	140.8	19.96	1.00	19.97	24.96		3.1000	0.00134	2313.08

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K/S

Karnataka Material Test House Pvt Ltd Bangalore

Approved by
Narayanswamy.B

.....End of Report.....

AEE (VRP) SD

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey & Project Management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/3154/2024-25	Date	22.06.2024

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Byatarayanapura Division, No2152/20,Defence Colony , Sahakara Nagara , Bangalore - 92
Name of Agency & Address	Sri. Abbu Sambasiva Reddy, No. 1, B3 Sree Arcade Layout, 4th Block, Ramachandrapura, Bengaluru-560097.
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package No. 04 (Package Consists of 04 works Rs.1000.00 Lakhs). 1) Improvements to Roads and Drains at Simhadri Layout, Muniswamappa Layout, Singapura, Singapura Layout, Express Layout, Lakkappa Layout, Singapura Garden, Singapura Paradise and surrounding areas in New Ward No. 14 (kuvempunagara). 2) Improvements to Roads and Drains at Varadarajanagara 1st & 2nd Phase, Naidu Layout, HVV Valley, Kuvempunagara 1st and 2nd Stage, Hosabalunagara, Chandrappa Layout, Bharathnagara, vinayakanagara and Surrounding area in New ward No. 14 (Kuvempunagara). 3) Improvements to Roads and Drains at Ganesha Layout, MS Palya, Raghavendra Colony, Defence Layout, Balaji Layout, Srinidhi Layout, Teachers Layout, Ramachandrapura and Surrounding areas in New Ward No. 14 (Kuvempunagara). 4) Providing Energy Efficient LED street Lights and accessories in Byatarayanapura constituency.
Work Order No	BBMP/EE/BTP/WO/59/2023-24
Job Code No	014-24-000005
Date of Testing	20.06.2024
Source of Sample	Supplied by the Client
Technical Referance	MORTH SPECIFICATIONS

RAGHAVENDRA COLONY — ***3th CROSS***

BC MATERIAL — ***Weight of sample taken*** — ***1000*** — ***gm*** — ***GRADE-II***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	38.4	38.4	3.84	96.16	90-100
9.5	160.4	198.8	19.88	80.12	70-88
4.75	128.4	327.2	32.72	67.28	53-71
2.36	162.6	489.8	48.98	51.02	42-58
1.18	78.4	568.2	56.82	43.18	34-48
0.6	106.2	674.4	67.44	32.56	26-38
0.3	84.6	759	75.90	24.10	18-28
0.15	90.2	849.2	84.92	15.08	12--20
0.075	98.6	947.8	94.78	5.22	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.4	480.2	30.20	5.92
2	506.4	476.2	30.20	5.96
3	502.2	469.8	32.40	6.45

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Karnataka Material Test House Pvt. Ltd. Bangalore

AEE (VRP) SD

Approved by
Narayanswamy.B

Note: 1)This reports is not to be reproduced except in full without our prior permission in writiing.
2)The results listed refer only to the tested samples nd applicable parameters.
3)Any correction in the report will be invalid.